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[PDF] Seawind: a wireless network emulator[\[PDF\] from psu.edu](#)

M Kojo, A Gurtov, J Manner, P Sarolahti... - ... and Communication ..., 2001 - Citeseer
... is the Simulation process (SP) that cause delays and packet losses to emulate the target ... the principle of having a set of routers (switches, etc.) interconnected by **communication** links remains ... thus inspect the effect of congestion and congestion-based losses at a **network** node. ...

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Reconsidering wireless systems with multiple radios[\[PDF\] from psu.edu](#)

P Bahl, A Adya, J Padhye... - ... Computer Communication ..., 2004 - portal.acm.org
... such radios it is important to remember that the radios may have significantly different **communication** ranges and ... Figure 7: Median TCP throughput from 100 transfers in a 23- node multi-radio wireless mesh **network** ... We **simulate** web traffic using the model provided in NS-2 [...

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IP-based access network infrastructure for next-generation wireless data networks[\[PDF\] from psu.edu](#)

R Ramjee, TF La Porta, L Sargamli... - ... Communications, ..., 2000 - ieeexplore.ieee.org
... We **simulate** audio traffic to the **mobile** host from a correspondent host (and through the HA in case of **Mobile** IP) in the form of 160-byte UDP packets transmitted every 20 ... A HAWAU-Based Next- Generation WireZess Data **Network** ... IEEE Personal Communications August 2000 ...

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Mobile communication network

JT Vikberg, JA Gårdsman, M Hallénstål... - US Patent ..., 2005 - Google Patents
... terminal 1 to access the **GSM** core **network** portion, and through this, other **communication** networks via ... base station HBS 104 and the home base station controller HBSC 105 emulate the operation ... In other words, when viewed from the elements of the core **network** 2s 20 such ...

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Design and implementation of a telemedicine system using Bluetooth protocol and GSM/GPRS network, for real time remote patient monitoring

Y Jeserian... - Technology and Health Care, 2005 - IOS Press
... to establish a traditional **GSM** data service connection to the public **mobile communication network** automatically. When the connection is established, the **GSM** phone acts as a **mobile** modem to the ... To **simulate** a patient a MTK phantom 320 ECG-simulator with 256 Hz sampling ...

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[BOOK] GSM, GPRS and EDGE performance: evolution towards 3G/UMTS

T Halonen, J Romero... - 2003 - books.google.com
... Software and Programming Issues 602 E. 4.2 Basic Functionality of the Simulator 602 E ... another major incentive for operators to provide their customers with seamless **communications** services. Since EDGE and WCDMA will operate on the same **GPRS** core **network**, the EDGE ...

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Supporting nomadic agent-based applications in the FIPA agent architecture

M Laakkonen, H Heil... - Proceedings of the first ..., 2002 - portal.acm.org
... link used in measurements was implemented using the Seawind wireless **network simulator** [17]. ... of subsequent messages are not transmitted multiple times over the **communication** channel, but ... Moreover, for the autonomous link control, CA in the **mobile device** subscribes to ...

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A mobile communication network

JT Vikberg, JA Gårdsman, M Hallénstål... - EP Patent ..., 2004 - freepatentsonline.com
... terminal 1 to access the **GSM** core **network** portion, and through this, other **communication** networks via ... base station HBS 104 and the home base station controller HBSC 105 emulate the operation ... In other words, when viewed from the elements of the core **network** 20 such as ...

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Performance evaluation of public key-based authentication in future mobile communication systems[\[PDF\] from hindawi.com](#)

G Kambourakis, A Rouskas... - ... Wireless Communications ..., 2004 - portal.acm.org
... A mechanism similar to "the security mode command" message of the radio access **network** application **protocol** ... was to take measurements of the AKA procedure and at the same time **simulate** the consumption of processing power and **communication** resources ...

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A new method to support UMTS/WLAN vertical handover using SCTP[\[PDF\] from ccu.edu.tw](#)

L Ma, F Yu, VCM Leung... - ... Communications, IEEE, 2004 - ieeexplore.ieee.org
... an easy task. Page 6. IEEE Wireless Communications • August 2004 49 ... We use **network simulator** ns-2 to perform the simulations and obtain the results reported in this article. We extend the SCTP module in ns-2 so that the multihoming feature can work over wireless links. ...

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used tools for **simulating protocols in mobile** multihop ad-hoc **networks**. Both simulation environments focus on a detailed simulation of **protocol layer 1** to ... or leaves the **communication** range of the **device** running the application. Ad- ...

K1297-G20 Protocol Testers: Base Units > Data Sheets : Tektronix

[www2.tek.com/cmswp/pdf/details.iotr?](http://www2.tek.com/cmswp/pdf/details.iotr?ct=PS&ci=19289&cs...)

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... **communication networks**, especially in **mobile networks**. Test generation capabilities provide the means to **simulate** specific **protocol layers** and **emulate** ...

Wireless sensor network - Wikipedia, the free encyclopedia

en.wikipedia.org/wiki/Wireless_sensor_network - Cached

A wireless sensor **network** (WSN) consists of spatially distributed ... memory, computational speed and **communications** bandwidth. Many techniques are used to connect to the outside world including **mobile phone networks**, satellite phones, ... of Automation provide vertical solutions, covering all **protocol layer**. ...

MCNet (Mobile Communication Network)

www.vector.com/vi_mcnnet_en.html - Cached

Sep 23, 2007 – MCNet builds upon the proven Controller Area **Network** (CAN). ... including transport **protocol** and **network** management. ... video and navigation **devices**, can easily be integrated in MCNet by ... With this interface MCNet components can be **simulated** and data **communication** between the MCNet components in ...

[PDF] UMTS Protocols and Protocol Testing

n.hive.no/elt50/umts.pdf

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capacity in the overcrowded **mobile communications** sky.

The new **network ... phone**) were introduced in the late 1940s in the United States and in the early This **protocol layer** provides UTRAN-specific signaling and control over the lu when testing an RNC, the test equipment can **simulate** the CN behavior, ...

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en.wikipedia.org/wiki/Voice_over_IP - Cached

Internet telephony refers to **communications** services—Voice, fax, SMS, ... as Internet **Protocol** (IP) **packets** over a **packet-switched network**. ... An analog telephone adapter is a **device** that connects to the **network** and **layer protocol** overhead, and no need to abort a low priority **packet** and resend it later. ...

[DOC] A network switch is a computer networking device that connects ...

www.connectindia.in/posts/download/Attach/23070.htm

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Switches that additionally process data at the **Network layer** (**layer 3** ... channel) between **nodes** and terminals before the users may **communicate**, ... **Virtual circuit switching** is a **packet switching** technology that may **emulate circuit switching**, ... routing arrangements change or the participant uses a **mobile device**. ...

[PDF] Modeling Adaptive Routing Protocols In High Speed Interconnection ...

casos.uab.es/~diugones/opnet_archivos/opnetwork08.pdf

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by D. Lugones - Cited by 2 - Related articles

Networks (HSIN) to connect processing **nodes**. Thus, quite **communicating devices** requires transmitting the information ... **simulated switch** architecture. The flow control of **packets** across the physical channel between ... represent applications, **protocol layers**, and physical resources, such as buffers, ports, ...

[PDF] The concept of robust header compression, ROHC

www.effnet.com/sites/effnet/.../Whitepaper_Robust_Header_Compression.p ..

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The Internet **Protocol** (IP) is the choice of transport **protocol** on both wired and ... leading to the convergence of telecommunication and data **networks**. ... These schemes are suitable for wireless links with strong link **layer** function is a part of the **mobile device** and the **packet data switching node** (PDSN). ...

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» **Tektronix GPRS Protocol Testing in the Wireless World**

www.scribd.com/.../Tektronix-GPRS-Protocol-Testing-in-the-Wireless-World - Cached

Apr 22, 2011 – **GPRS** is the first step in creating an enhanced **GSM** core **network** solution for UMTS. ... or "**cell phone**" when referring to mobile **communication**. **communication protocol layers** is **simulated** automatically and in ...

[PDF] **Mobile Communications**

www.net.rwth-aachen.de/content/teaching/...08/01_Introduction_4P.pdf
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In the Internet **protocols**: Mobile IP as enhancement of „normal“ IP. Lehrstuhl für Informatik 4 ... Used for **mobile phone networks** and data **networks** like Wireless LAN ... **Communication (GSM)**. Location tracking via the Global Positioning System (GPS) ... be **simulated**, thus attracting calls from mobile phones ...

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3GPP Long Term Evolution - Wikipedia, the free encyclopedia

en.wikipedia.org/wiki/3GPP_Long_Term_Evolution - Cached

3GPP Long Term Evolution (LTE) is a standard in the **mobile phone network** technology ... Much of 3GPP Release 8 focuses on adopting 4G mobile **communication** ... on their part using **GSM/GPRS** or W-CDMA-based UMTS or even 3GPP2 **networks** such as IP, Internet **Protocol**, is a practical implementation of the OSI Model. ...

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